NRO APPROVED FOR RELEASE 10 JUNE 2014

D ~~SECRET~~ SPECIAL HANDLING

MOL RENDEZVOUS ORBITING VEHICLE EVOLUTION

(BLOCK III)

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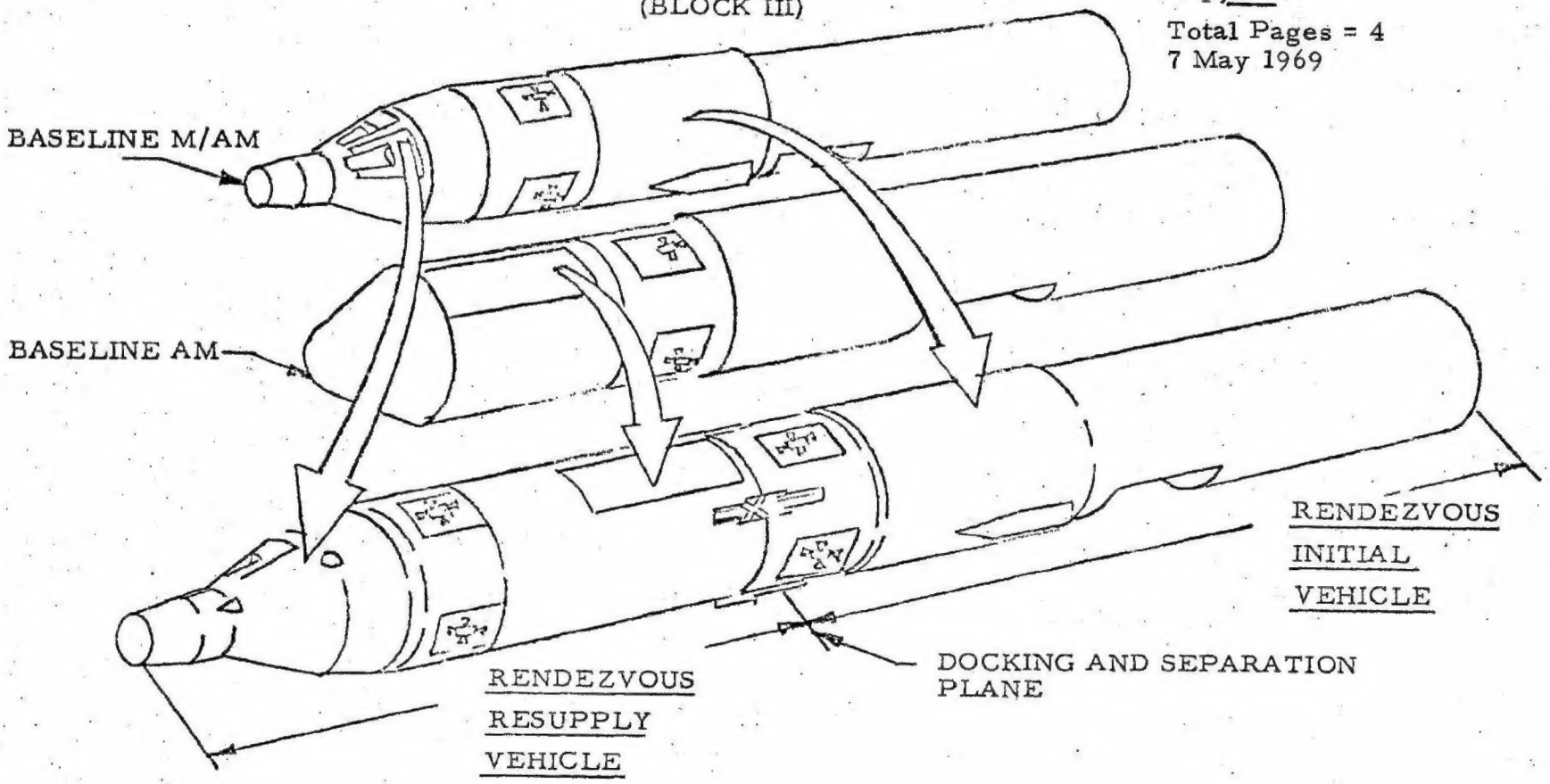
7 May 1969



RRV FUNCTIONS

- CREW TRANSPORT VEHICLE
- ACTS PROPULSION
- PRIME POWER SYSTEM
- LIFE SUPPORT EXPENDABLES
- DATA RETURN SYSTEM
- SUBSYSTEM SPARES/REPLACEMENTS

RIV FUNCTIONS

- LIFE SUPPORT SYSTEM
- ATTITUDE CONTROL REFERENCE/ ELECTRONICS
- COMMUNICATIONS AND DATA HANDLING
- ENVIRONMENTAL CONTROL
- HRO SYSTEM

D ~~SECRET~~ SPECIAL HANDLING

HANDLE VIA BYEMAN CONTROL SYSTEM ONLY

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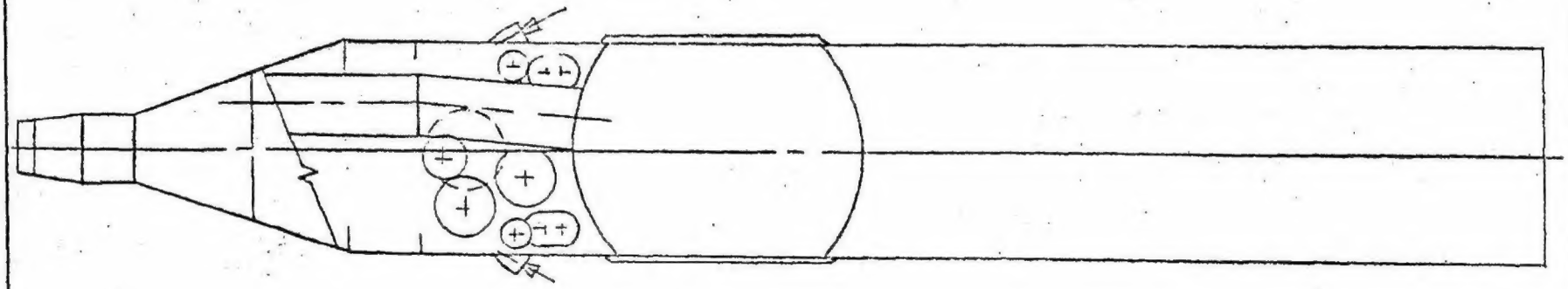
POSSIBLE BLOCK II MOL OPERATING OPTIONS AND CHARACTERISTICS

√ ADDITIONAL EXPENDABLE

√ PAYLOAD IMPROVEMENTS



MISSION	DURATION	PERIGEE ALTITUDE	OPTICAL RESOLUTION BASELINE	OPTICAL RESOLUTION IMPROVED
• NOMINAL	45 DAYS	80 MILES		
• LOW FLIGHT	30 DAYS	70 MILES		
• EXTENDED DURATION	60 DAYS	90 MILES		

[redacted] (b)(1)1.4c, (b)(3) 10 U.S.C. 424

HANDLE VIA BYEMAN
CONTROL SYSTEM ONLY